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Compd #	MOLSTRUCTURE
1	H ₂ N
2	H ₃ C NH NH ₂
3	H_3C CH_3
4	H ₂ N H O H O H O
5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
6	HN NH ₂ O CH NH
7	H ₂ N OH OH NH ₂ N NH ₂

FIG. 1A

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Compd #	MOLSTRUCTURE	
8	H ₂ N O O OH	
9	O-CH ₃ HN NH ₂	
10	H ₃ C NH NH ₂	,
11	H ₂ N H NH	
12	H ₂ N NH O CH ₃ O NH NH O CH ₃ O NH O CH ₃ O NH O CH ₃ O NH	
13	CH ₃ O NH NH ₂ CH ₃ O NH CH ₃ O NH CH ₃ O NH O CH ₃ O O	
14	OH OH OH OH OH	FIC

FIG. 1B

Compd # MOLSTRUCTURE	20 HN NH2 NH2 NH2 NH2 NH2 NH2 NH2 NH2 NH2	21 H ₃ C-NH (H ₃ C-O) (H ₃ O)	22 H ₃ C O O O O O O O O O O O O O O O O O O O	23 S S S S S S S S S S S S S S S S S S S		10
Compd # MOLSTRUCTURE	15 H ₃ C CH ₃ 0 CH ₃ 0 CH ₃ 1 NH ₂ 1 NH ₂ 0 CH ₃ 1 NH ₂ 1 NH ₂ 1 NH ₂ 1 NH ₂ 1 NH ₃ 1 NH ₄ 1 NH ₂ 1 NH ₂ 1 NH ₃ 1 NH ₄ 1 NH ₂ 1 NH ₃ 1 NH ₄ 1 NH ₂ 1 NH ₃ 1 NH ₄ 1 NH ₂ 1 NH ₃ 1 NH ₄ 1 NH ₂ 1 NH ₄ 1 NH ₂ 1 NH ₄ 1 NH ₂ 1 NH ₄	16 H ₃ C CH ₃ CH ₃ C C CH ₃ C C C C C C C C C C C C C C C C C C C	17 NH CH2 O NH CH2 O NH O	TAN HIN HIN HIN HIN KINHO	19 H ₃ N	FIG. 1

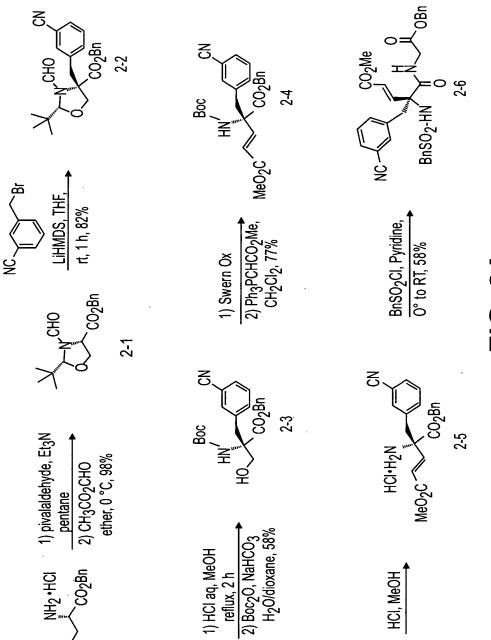


FIG. 2A

Application No.: 10/092,004; Atty. Docket No.: 022329-000510US
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Notice of Non-Compliant Amendment dated: October 13, 2005
REDI ACEMENT SHEET

REPLACEMENT SHEET 6/12 10 20 30 40 50 60 GTTGTTGGGGGCACGGATGCGGATGAGGCCGAGTGGCCCTGGCAGGTAAGCCTGCATGCT CAACAACCCCGTGCCTACGCCTACTCCCGCTCACCGGGACCGTCCATTCGGACGTACGA VVGGTDADE Ε Н Ρ W V S G 70 80 100 110 120 90 LGOGHICGASLISP N W L V S A> 130 140 150 160 170 180 GCACACTGCTACATCGATGACAGAGGATTCAGGTACTCAGACCCCACGCAGTGGACGGCC CGTGTGACGATGTAGCTACTGTCTCCTAAGTCCATGAGTCTGGGGTGCGTCACCTGCCGG AHCYIDDRGFRYS D 190 200 210 220 230 240 TTCCTGGGCTTGCACGACCAGAGCCAGCGCAGCGCCCCTGGGGTGCAGGAGCGCAGGCTC AAGGACCCGAACGTGCTGGTCTCGGTCGCGTCGCGGGACCCCACGTCCTCGCGTCCGAG F L G L·H D O S O R S A Ρ G V Ε R 260 270 280 290 300 250 AAGCGCATCATCTCCCACCCCTTCTTCAATGACTTCACCTTCGACTATGACATCGCGCTG TTCGCGTAGTAGAGGGTGGGGAAGAAGTTACTGAAGTGGAAGCTGATACTGTAGCGCGAC KRIISHP F Т F D Y D Ι F F N D 350 360 310 320 330 340

FIG. 3A

Y S S M V R P I C L P

L E L

Ε

K P

A E

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GCC	GCCTCCCATGTCTTCCCTGCCGGCAAGGCCATCTGGGTCACGGGCTGGGGACACACCCAG									CAG									
CGG	CGGAGGGTACAGAAGGGACGGCCGTTCCGGTAGACCCAGTGCCCGACCCCTGTGTGGGTC										GTC								
A	S	Н	٧	F	P	A	G	K	Α	I	W	V	Т	G	W	G	Н	Ţ	Q>
		43	0		4	40			450			46	0		4	70			480
TAT	GGA	.GGC	ACT	GGC	GCG	CTG	ATC	СТС	CAA.	AAG	GGT	GAG	ATC	CGC	GTC	ATC	AAC	CAG	ACC
ATA	ССТ	CCG	TGA	CCG	CGC	GAC	TAG	GAC	GTT	TTC	CCA	СТС	TAG	GCG	CAG	TAG	TTG	GTC	TGG
Y	G	G	Т	G	A	L	I	L	Q	K	G	E	I	R	V	I	N	Q	T>
		49	0		5	00			510			52	0 -		5	30			540
ACC	TGC	GAG	AAC	СТС	CTG	CCG	CAG	CAG	SATC	ACG	CCG	CGC	ATG	ATG	TGC	GTG	GGC	TTC	CTC
TGG	ACG	CTC	TTG	GAG	GAC	GGC	GTC	GTC	TAG	TGC	GGC	GCG	TAC	TAC	ACG	CAC	CCG	AAG	GAG
T	С	E	N	L	L	P	Q	Q	Ι	T	P	R	M	Μ	С	V	G	F	.L>
		55	0		5	60			570			58	0		5	90			600
AGC	GGC						CAG	GGI	570	TCC	GGG			CTG			GTG	GAG	
		GGC	GTG	GAC	TCC	TGC						GGA	ccc		TCC	AGC			GCG
		GGC	GTG	GAC	TCC	TGC			GAT'			GGA	ccc		TCC	AGC			GCG
TCG	CCG	GGC CCG G	GTG CAC V	GAC CTG	TCC AGG S	TGC ACG C	GTC	CCA	GAT CTA	AGG	ccc	GGA CCT G	CCC GGG P	GAC	TCC AGG S	AGC TCG	CAC	CTC	GCG
TCG S	CCG G	GGC CCG G	GTG CAC V	GAC CTG D	TCC AGG S	TGC ACG C 20	GTC Q	G G	GAT ACTA D	AGG S	ccc G	GGA CCT G 64	CCC GGG P	GAC L	TCC AGG S	AGC TCG S 50	CAC V	CTC E	GGCG CGC A>
TCG S GAT	CCG G GGG	GGC CCG G 61 CGG	GTG CAC V 0 ATC	GAC CTG D	TCC AGG S 6 CAG	TGC ACG C 20 GCC	GTC Q GGT	G G	CTA D 630	AGG S AGC	G G TGG	GGA CCT G 64 GGA	CCC GGG P 0 GAC	GAC L GGC	TCC AGG S 6	AGC TCG S 50 GCT	V V CAG	E E	GCGC A> 660 GAAC
TCG S GAT CTA	ccc G GGG	GGC CCG G 61 CGG GCC	GTG CAC V 0 ATC	GAC CTG D TTC AAG	TCC AGG S 6 CAG GTC	TGC ACG C C C C C C C C C C C C C C C C C	GTC Q GGT	G G GTG	CTA D 630 GGTG	AGG S AGC TCG	CCC G TGG ACC	GGA CCT G 64 GGA CCT	CCC GGG P 0 GAC	GAC L GGC	TCC AGG S 6 TGC	AGC TCG S 50 GCT	V V CAG	E E AGG	GCGC A> 660 GAAC
TCG S GAT	CCG G GGG	GGC CCG G 61 CGG	GTG CAC V 0 ATC	GAC CTG D	TCC AGG S 6 CAG GTC	TGC ACG C 20 GCC	GTC Q GGT	G G GTG	CTA D 630	AGG S AGC TCG	CCC G TGG ACC	GGA CCT G 64 GGA CCT	CCC GGG P 0 GAC	GAC L GGC	TCC AGG S 6 TGC	AGC TCG S 50 GCT	V V CAG	E E	GCGC A> 660 GAAC
TCG S GAT CTA	ccc G GGG	GGC CCG G 61 CGG GCC	GTG CAC V 0 ATC TAG	GAC CTG D TTC AAG	TCC AGG S 6 CAG GTC	TGC ACG C C C C C C C C C C C C C C C C C	GTC Q GGT	G G GTG	CTA D 630 GGTG	AGG S AGC TCG S	CCC G TGG ACC	GGA CCT G 64 GGA CCT	CCC GGG P 0 GAC CTG	GAC L GGC	TCC AGG S 6 TGC ACG C	AGC TCG S 50 GCT	V V CAG	E E AGG	GCGC A> 660 GAAC
TCG S GAT CTA D	ccc G GGG CCC G	GGC CCG G 61 CGG GCC R	GTG CAC V 0 ATC TAG I	GAC CTG D TTC AAG F	TCC AGG S 6 CAG GTC Q 6	TGC ACG C 20 GCC CGG A	GTC Q GGT CCA G	G G GTG CAC	GAT D 630 GGTG CCAC	AGG S AGC TCG S	CCC G TGG ACC	GGA CCT 64 GGA CCT G	CCC GGG P 0 GAC CTG D	GAC L GGC CCC G	TCC AGG S 6 TGC ACG C	AGC TCG S 50 GCT CGA A	V V CAG GTC	E	GCGC A> 660 GAAC TTG N> 720
TCG S GAT CTA D	CCG G GGG CCC G	GGC G 61 CGG GCC R 67 GGC	GTG CAC V 0 ATC TAG I 0 GTG	GAC CTG D TTC AAG F	TCC AGG S 6 CAG GTC Q 6 ACA	TGC ACG C 20 GCC CGG A 80 AGG	GTC Q GGT CCA G	G G GTG CAC V	GAT CTA D 630 GGTG CCAC V	AGG S AGC TCG S	CCCC G TGG ACCC W	GGA CCT GGAC	CCC GGG P 0 GAC CTG D	GGC CCG G	TCC AGG S 6 TGC ACG C 7	AGC TCG S 50 GCT CGA A 10 GAG	V CAG GTC Q	E . AGG TCC	GGCG A> 660 GAAC TTG N> 720 GGGG

FIG. 3B

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GTATAG

CATATC

V *>

FIG. 3C

Compound Structure	Compound Structure
A HN NH2 H2N	B HN NH2 O OH O N N N N N N N N N N N N N N N N N N N
C H_3C O H_2N O	HO NH
E CH3 HN NH2 HO NH2 NH2	F HO CH3 N N N N N N N N N N N N N N N N N N N
HO CH ₃ NH ₂ NH ₂ NH ₂ NH ₂ CH ₃	

FIG. 5A

Comp	ound Structure	Compound	Structure
Н	HO NH2 NH2 NH2	I HO N	0-CH ₃ 0 0 N N NH ₂ NH ₂
J	HN NH ₂ HN NH ₂ HN NH ₂	K HO TI C HN 3	
L	HO HO NH2 NH2	M HO NH	HN NH2 N N N N N N N N N N N N N N N N N N

FIG. 5B